

08-29-05

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PTO/SB/21 (04-04)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	11/086,800
	Filing Date	March 22, 2005
	First Named Inventor	Nigel P. Beard et al.
	Art Unit	1743
	Examiner Name	To be assigned
	Attorney Docket Number	9692-000081
Total Number of Pages in This Submission		101

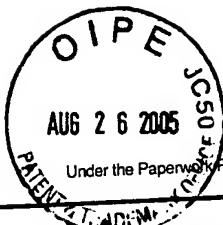
ENCLOSURES (check all that apply)				
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO-1449 <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Copies of 3 Foreign references; and return postcard.		
<table border="1"><tr><td>Remarks</td><td>The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.</td></tr></table>			Remarks	The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name Jeffrey L. Snyder	Reg. No. 43,141
Signature			
Date	August 26, 2005		

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Jeffrey L. Snyder	Express Mail Label No.	EV 570 164 971 US 8/26/05
Signature		Date	August 26, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV 570 164 971 US



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Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name Jeffrey L. Snyder	Reg. No. 43,141
Signature			
Date	August 26, 2005		

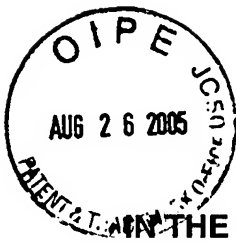
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 11/086,800
Filing Date: March 22, 2005
Applicant: Nigel P. Beard et al.
Group Art Unit: 1743
Examiner: To be assigned
Title: HIGH DENSITY PLATE FILLER
Attorney Docket: 9692-000081

Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION**

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. **COPIES**

A. ☒ Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

B. ☐ Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C. ☐ This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g).)

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. ☒ Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B. ☐ A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1. ☐ See the attached foreign patent office communication from a counterpart foreign application:

2. ☐ English translations are provided:

3. ☐ Other:

C. ☐ The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. ☒ The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

<u>Serial No.</u>	<u>Filing Date</u>	<u>Art Unit</u>
11/086,259	3/22/05	1743
11/086,260	3/22/05	1743
11/086,262	3/22/05	2877
11/086,263	3/22/05	2877
11/086,264	3/22/05	2877
11/086,274	3/22/05	1743
11/086,275	3/22/05	2877
11/086,276	3/22/05	1743
11/086,683	3/22/05	1743
11/086,799	3/22/05	2877
11/087,077	3/22/05	1743
11/087,088	3/22/05	1743
11/087,101	3/22/05	2877
11/087,103	3/22/05	2877
11/087,104	3/22/05	1743
11/087,105	3/22/05	1743
60/664,314	3/22/05	N/A
11/086,261	3/22/05	2877
11/086,253	3/22/05	1645
11/086,271	3/22/05	1743
11/086,272	3/22/05	1743
11/086,273	3/22/05	1743
11/087,086	3/22/05	2877
11/096,282	3/31/05	1743

V. THIS IDS IS BEING FILED UNDER

A. ☒ **37 C.F.R. § 1.97(b):** (check only one box)

1. ☐ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.

2. ☐ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.

3. ☒ before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

4. ☐ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. ☐ **37 C.F.R. § 1.97(c):** (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1. ☐ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

2. ☐ See the certification below. No fee is required.

C. ☐ **37 C.F.R. § 1.97(d):**

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. ☐ See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. **CERTIFICATION UNDER 37 C.F.R. § 1.97(e):** (check only one box)

The undersigned hereby certifies that:

A. ☐ each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or

B. ☐ no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37

C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. ☐ some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. 1.704(d)

The undersigned hereby states that:

☐ each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

A. ☐ A check in the amount of \$180.00 is enclosed for the above identified fee.

B. ☐ Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

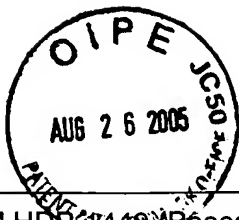
Respectfully submitted,

Dated: August 26, 2005

By: 
Jeffrey L. Snyder, Reg. No. 43,141

Harness, Dickey & Pierce, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

JLS/srs



FORM HDR-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Sheet 1 of 4

ATTORNEY DOCKET No.	SERIAL No.
9692-000081	11/086,800
APPLICANT	
Nigel P. Beard et al.	
FILING DATE	GROUP
March 22, 2005	1743

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		4,592,089	5/27/86	Hartman		
2.		4,966,667	10/30/90	Rising et al.		
3.		5,126,276	6/30/92	Fish et al.		
4.		5,274,240	12/28/93	Mathies et al.		
5.		5,284,425	2/8/94	Holterman et al.		
6.		5,545,531	8/13/96	Rava et al.		
7.		5,618,701	4/8/97	Landegren		
8.		5,843,767	12/1/98	Beattie		
9.		5,874,219	2/23/99	Rava et al.		
10.		5,888,830	3/30/99	Mohan et al.		
11.		6,033,911	2/27/98	Schultz et al.		
12.		6,063,339	5/16/00	Tisone et al.		
13.		6,086,825	7/11/00	Sundberg et al.		
14.		6,090,251	7/18/00	Sundberg et al.		
15.		6,140,044	10/31/00	Besemer et al.		
16.		6,238,910	5/29/01	Custance et al.		
17.		6,254,826	7/3/01	Acosta et al.		
18.		6,258,103	7/10/01	Saracione		
19.		6,274,091	8/14/01	Mohan et al.		
20.		6,302,159	10/16/01	Ryan et al.		
21.		6,374,683	4/23/02	Hunicke-Smith et al.		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 2 of 4

ATTORNEY DOCKET NO.

9692-000081

SERIAL NO.

11/086,800

APPLICANT

Nigel P. Beard et al.

FILING DATE

March 22, 2005

GROUP

1743

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.		6,379,897	4/30/02	Weidenhammer et al.		
23.		6,387,031	5/14/02	Hunicke-Smith et al.		
24.		6,395,559	5/28/02	Swenson		
25.		6,408,878	6/25/02	Unger et al.		
26.		6,429,027	8/6/02	Chee et al.		
27.		6,432,696	8/13/02	Custance et al.		
28.		6,451,188	9/17/02	Sundberg et al.		
29.		6,475,809	11/5/02	Wagner et al.		
30.		6,496,309	12/17/02	Bliton et al.		
31.		6,498,010	12/24/02	Fitzgerald et al.		
32.		6,551,557	4/22/03	Rose et al.		
33.		6,558,960	5/6/03	Parce et al.		
34.		6,589,791	7/8/03	La Budde et al.		
35.		6,660,232	12/9/03	Krueger et al.		
36.		6,669,909	12/30/03	Shvets et al.		
37.		6,677,162	1/13/04	Wendelbo et al.		
38.		6,680,202	1/20/04	Young		
39.		6,682,702	1/27/04	Barth et al.		
40.		6,709,559	3/23/04	Sundberg et al.		
41.		6,713,021	3/30/04	Shvets et al.		

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 3 of 4	ATTORNEY DOCKET NO.	SERIAL NO.
	9692-000081	11/086,800
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	Nigel P. Beard et al.	
	FILING DATE	GROUP
	March 22, 2005	1743

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.		6,720,149	4/13/04	Rava et al.		
43.		6,723,569	4/20/04	Moore et al.		
44.		6,743,633	6/1/04	Hunter		
45.		6,781,121	8/24/04	Davis et al.		
46.		6,800,250	11/5/04	Hunicke-Smith et al.		
47.		6,816,259	11/9/04	Auton et al.		
48.		2003/0175163	9/18/03	Shvets et al.		
49.		2004/0132128	7/8/04	Shvets et al.		
50.		2004/0101445	5/27/04	Shvets et al.		
51.		2002/0182113	12/5/02	Shvets et al.		
52.		2002/0168297	11/14/02	Shvets et al.		
53.		2002/0159919	10/31/02	Churchill et al.		
54.		2002/0086329	7/4/02	Shvets et al.		
55.		2003/0125753	7/3/03	Saracione		
56.		2002/0064482	5/30/02	Tisone et al.		
57.		2004/0246549	12/9/04	Buchholz		

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.		WO 94/27719	12/8/94	PCT		X	

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 4 of 4	ATTORNEY DOCKET NO.	SERIAL NO.
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	Nigel P. Beard et al.	
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	March 22, 2005	1743

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes No	
2.		WO 95/11262	4/27/95	PCT		X	
3.		WO 03/057369	7/17/03	PCT		X	

Examiner:	Date Considered:
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